Listing of Claims:

This listing of claims reflects all claim amendments and replaces all prior versions, and listings, of claims in the application. Material to be inserted is in **bold and underline**, and material to be deleted is in ~~strikeout~~.

1. (currently amended) A method of processing material comprising

providing a material list for a product,

loading the material list into a job manager,

moving the material list into a spreadsheet,

selecting a field in the spreadsheet,

downloading the selected field of data to an optimizer, ~~and~~

~~processing the material~~

selecting a piece of wood material for processing,

inputting data to the optimizer indicating location of defects in the wood material, and

determining a processing plan for the wood material including excluding the defects and optimizing use of the remaining material according to the selected field of data.

2. (original) The method of claim 1 further comprising

editing data in the selected field prior to the downloading step.

3. (cancelled)

4. (currently amended) The method of claim 1 ~~wherein the processing step includes~~ **further comprising** the step of operating a saw to cut stock material according to data received by the optimizer.

5. (original) The method of claim 1 wherein the material list includes a cut list of wood dimensions for a product.

6. (original) The method of claim 1 further comprising

sorting data in the spreadsheet by field prior to the downloading step.

7. (currently amended) The method of claim 1 further comprising

performing a **mathematical** function~~, such as multiplying or dividing,~~ on selected data in the spreadsheet prior to the downloading step.

8. (currently amended) An apparatus for carrying out material processing comprising

a computer including a job manager program configured to receive a data file including a ~~material list~~ **cut list of wood pieces** for a product, to display the ~~material~~ **cut** list in a spreadsheet, and to permit editing, and sorting data by field,

a ~~machine configured to process stock material~~ **saw system for cutting wood** including **a defect locator configured to input data to the saw system indicating location of defects in a wood piece prior to cutting, and**

an optimizer capable of determining an optimal ~~processing sequence according to a specified material list~~ **way of cutting a piece of wood by excluding defects and utilizing remaining wood to satisfy cut list requirements** , and

a downloading mechanism enabling transfer of selected data from the job manager to the optimizer.

9. (cancelled)